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**Docket Number (Optional)**

My residence, post office address and citizenship are as stated below next to my name.

☒ was filed on 8/8/97

☒ was filed on 8/8/97 as United States Application Number of PCT/US97/04554  
 XXXXX 08/908,803 XXX  
 and was amended XXX

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

**Prior Foreign Application(s)**

Priority Claimed

☐ Yes ☐ No

☐ Yes ☐ No

☐ Yes ☐ No

1 I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar  
2 as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner  
3 provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as  
4 defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the  
5 national or PCT international filing date of this application.

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

(Filing Date)

(Status - patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Geoffrey R. Myers, Reg. #24,897; Thomas P. Liniak, Reg. #33,415; Joseph W. Berenato, III, Reg. #30,546; Joseph A. Rhoads, Reg. #37,515; Elaine Papavasiliou, Reg. No. 40,117

Address all telephone calls to Joseph A. Rhoa, Esq. at telephone number (301) 365-8000

Address all correspondence to Joseph A. Rhoads, Esquire  
Myers, Liniak & Berenato  
6550 Rock Spring Drive, Ste. 240  
Bethesda, Maryland 20817

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) John Z. Z. Zhong

**Inventor's signature**

Date \_\_\_\_\_

Residence 24690 Jamestowne Road, Novi, MI

## Citizenship

Post Office Address

Same

48375

Citizenship People's Rep. of China

Full name of second joint inventor, if any (given name, family name)

Willem den Boer

Second Inventor's signature

Date \_\_\_\_\_

Residence 2832 Timber Wyck Trail, Troy, MI

## Citizenship

Post Office Address

Same

48098

Citizenship The Netherlands

The Netherland

☐ Additional inventors are being named on a separate sheet attached hereto.

COPY

Docket No. 8733.20082

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: John Z.Z. ZHONG, et al.

GAU: 2815

SERIAL NO: 09/356,302

FILING DATE: July 16, 1999

FOR: High Aperture LCD with Insulating Color Filters Overlapping Bus Lines on Active Substrate

REVOCATION AND NEW APPOINTMENT OF POWER OF ATTORNEY

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

The undersigned representative of LG.PHILIPS LCD CO., LTD, owner by virtue of assignment of the above-identified application, hereby revokes any and all previous Powers of Attorney and appoints Steven B. Kelber, Reg. No. 30,073; Marc R. Labgold, Ph.D., Reg. No. 34,651; Song K. Jung, Reg. No. 35,210; Sharon E. Crane, Ph.D., Reg. No. 36,113; Laura A. Donnelly, Reg. No. 38,435; Catherine Bax Richardson, Reg. No. 39,007; Kenneth D. Springer, Reg. No. 39,843; Russell O. Paige, Reg. No. 40,758; James M. Heintz, Reg. No. 41,828; Laura D. Nammo, Reg. No. 42,024 and Amy L. Miller, Reg. No. 43,804 as Assignee's attorney with full power of substitution and revocation, to prosecute said patent application, receive any Letters Patent and to take any and all other actions with regard to this patent application and any Letters Patent issuing thereon, and request that all correspondence be sent to Steven B. Kelber of LONG ALDRIDGE & NORMAN, LLP whose post office address is: 701 Pennsylvania Avenue, N.W., 6<sup>th</sup> Floor, Washington, D.C. 20004.

CERTIFICATION UNDER 37 C.F.R. 3.73(b)

I, the undersigned, certify that I am an individual empowered to act on behalf of LG.PHILIPS LCD CO., LTD, the assignee of the entire right, title and interest of the above-identified application by virtue of an assignment from the inventor(s)

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

23/03/2000  
Date Signed

[Signature]  
Person Signing  
Vice president  
Signor's Title



PTAS

\*101320724A\*

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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

REEL/FRAME: 010676/0844  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

GUARDIAN INDUSTRIES CORP.

DOC DATE: 02/01/2000

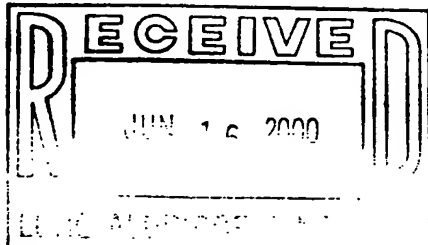
LG. PHILIPS LCD CO., LTD.  
20, YOIDO-DONG, YONGDUNGPO-KU  
SEOUL, REPUBLIC OF KOREA

FILING DATE: 09/17/1999  
ISSUE DATE:

FILING DATE: 04/12/1996  
ISSUE DATE:

FILING DATE: 07/21/1999  
ISSUE DATE:

FILING DATE: 07/16/1999  
ISSUE DATE:



**DOCKETED** *Ex. 14, 14-15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846*

010676/0844 PAGE 2

SERIAL NUMBER: 09041743  
PATENT NUMBER: 6008872

FILING DATE: 03/13/1998  
ISSUE DATE: 12/28/1999

SERIAL NUMBER: 08671376  
PATENT NUMBER:

FILING DATE: 06/27/1996  
ISSUE DATE:

SERIAL NUMBER: 09210577  
PATENT NUMBER: 5955744

FILING DATE: 12/14/1998  
ISSUE DATE: 09/21/1999

SERIAL NUMBER: 09199047  
PATENT NUMBER: 5926236

FILING DATE: 11/24/1998  
ISSUE DATE: 07/20/1999

SERIAL NUMBER: 08962892  
PATENT NUMBER: 5920084

FILING DATE: 11/14/1997  
ISSUE DATE: 07/06/1999

SERIAL NUMBER: 08832345  
PATENT NUMBER: 5780871

FILING DATE: 04/02/1997  
ISSUE DATE: 07/14/1998

SERIAL NUMBER: 08631455  
PATENT NUMBER: 5641974

FILING DATE: 04/12/1996  
ISSUE DATE: 06/24/1997

SERIAL NUMBER: 08908803  
PATENT NUMBER: 5994721

FILING DATE: 08/08/1997  
ISSUE DATE: 11/30/1999

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ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



101320724

To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Guardian Industries Corp.

## 2. Name and address of receiving party(ies):

Name: LG.PHILIPS LCD CO., LTD.

Address: 20, Yoido-dong, Yongdungpo-ku  
Seoul, KOREAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: February 1, 2000

Additional name(s) and address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

## A. Patent Application No.(s)

09/398,474; 09/357,889; 09/356,302; 09/041,743; 08/671,376;  
08/630,984

## B. Patent No.(s)

5,955,744; 5,920,084; 5,780,871; 5,641,974; 5,994,721;  
5,926,236Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

LONG ALDRIDGE & NORMAN LLP  
701 Pennsylvania Avenue, N.W.  
6<sup>th</sup> Floor  
Washington, D.C. 20004

## 6. Total applications and patents involved: 12

## 7. Total fee (37 CFR 3.41): \$480.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number: 50-0911

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## 9. Statement and signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Song K. Jung

Name of Person Signing

Registration Number: 35,210

Signature

March 10, 2000

Date

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## CERTIFICATE OF MAILING

37 C.F.R. §1.8

I hereby certify that this paper is being deposited with the U.S. Postal Service as First-Class Mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date shown below:

Date

Susan F. Mahon

## ASSIGNMENT

WHEREAS, Guardian Industries Corp., a Delaware corporation having its principal place of business at 2300 Harmon Road, Auburn Hills, Michigan 48326-1714 United States of America (hereinafter referred to as "Assignor"), hereby warrants that it owns 100% of the entire right, title and interest in and to the inventions disclosed and claimed in the patents and patent applications identified below (hereinafter "the Patents"):

1. U.S. Patent No. 5,955,744
2. U.S. Patent No. 5,920,084
3. U.S. Patent No. 5,780,871
4. U.S. Patent No. 5,641,974
5. U.S. Patent No. 5,994,721
6. U.S. Patent No. 5,926,236
7. U.S. Patent Application Serial No. 09/398,474
8. U.S. Patent Application Serial No. 09/357,889
9. U.S. Patent Application Serial No. 09/356,302
10. U.S. Patent Application Serial No. 09/041,743
11. U.S. Patent Application Serial No. 08/671,376
12. U.S. Patent Application Serial No. 08/630,984

and all foreign patents and applications that rely on the Patents for priority;

WHEREAS, LG.Philips LCD Co., Ltd., a corporation duly organized and existing under the laws of the Republic of Korea and having its principal place of business at 20 Yoido-dong, Yongdungpo-ku, Seoul, KOREA (hereinafter referred to as "Assignee"), is desirous of acquiring 100% of Assignor's entire right, title and interest in and to the Patents identified above and any inventions disclosed and claimed therein (hereinafter referred to as "the Inventions"), including but not limited to the right to sue for past, present and future infringement;

WHEREAS, Assignor is desirous of conveying and transferring to Assignee 100% of the entire right, title and interest in and to the Patents and the Inventions, including but not limited to the right to sue for past, present and future infringement;

AND Assignor covenants that Assignor has the full right to convey the interest assigned by this Assignment, that Assignor will take all actions and execute all documents necessary to perfect the interest assigned hereby, and that Assignor has not executed and will not execute any agreement in conflict with this Assignment;

AND, Assignor further covenants and agrees that Assignor through its officers and employees, shall, without further consideration, communicate with Assignee, its successors and assigns, any facts known to Assignor or its officers and employees respecting the invention, and shall testify in any legal proceeding, sign all lawful papers

when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to the Inventions in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for the Inventions in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, its successors and assigns;

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable consideration which is hereby acknowledged, Assignor hereby sells, assigns, transfers and sets over to Assignee and its successors and assigns 100% of the entire right, title and interest in and to the Patents and the Inventions, including but not limited to the right to sue for past, present and future infringement.

IN TESTIMONY WHEREOF, Assignor, by its below-named duly empowered and authorized representative executes this Assignment this 15<sup>th</sup> day of February 2000.

ASSIGNOR: Guardian Industries Corp.

By: \_\_\_\_\_

  
Jeffrey A. Knight  
Group Vice President



**LONG ALDRIDGE  
& NORMAN<sup>LLP</sup>**  
ATTORNEYS AT LAW

701 PENNSYLVANIA AVENUE, N.W. • SUITE 600  
WASHINGTON, D.C. 20004  
202 624-1200 • FACSIMILE 202 624-1298

ATLANTA, GA OFFICE  
303 PEACHTREE STREET • SUITE 5300  
ATLANTA, GA 30308  
404 527-4000 • FACSIMILE 404 527-4198



**CERTIFICATE OF MAILING**  
37 C.F.R. §1.8

I hereby certify that this paper is being deposited with the U.S. Postal Service as First-Class Mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date shown below:

Date

Susan F. Mahon

DOCKET NO.: 8733.6424

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

Re: Serial Nos.: 09/398,474; 09/357,889; 09/356,302; 09/041,743;  
08/671,376; 08/630,984  
Patent Nos.: 5,955,744; 5,920,084; 5,780,871; 5,641,974; 5,994,721;  
5,926,236

SIR:

Attached hereto for filing are the following papers:

Form PTO-1595 w/executed Assignment

Our check in the amount of \$ 480.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. §1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 50-0911. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. §1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

LONG ALDRIDGE & NORMAN LLP

James M. Heintz  
Attorney of Record  
Registration No.: 41,828